I. Listing of Claims

1-10. (Canceled)

11. (New) A motor vehicle and heating and air conditioning plant comprising:

a motor vehicle defining a vehicle longitudinal axis and including a console located generally in the center of the motor vehicle;

the heating and air conditioning plant including an evaporator to create cold air and a heating heat exchanger to create warm air:

the evaporator defining an evaporator longitudinal axis and having a front side through which air passes into the evaporator;

the heating heat exchanger defining a heat exchanger longitudinal axis and having a front side through which air passes into the heating heat exchanger;

the evaporator being vertically arranged with the front side of the evaporator generally directed laterally transverse to the vehicle longitudinal axis, the heating heat exchanger being positioned above the evaporator and being horizontally arranged with the front side of the heating heat exchanger generally directed downward toward the evaporator; and

an air channel system defining a mixing space to mix warm and cold air and from which the mixed warm and cold air is directed to air conditioning zones to be differently tempered over air directing devices and air outlet devices, the mixing space being positioned above the evaporator and the heating heat exchanger, the air channel system being configured as a air guiding system with at least one pair of symmetric ducts to direct the air flow to left and right air outlets above the heating heat exchanger; and

a separating wall being impermeable to humidity and air, the separating wall extending over the width of the heating heat exchanger and part of the mixing space.

12. (New) The motor vehicle and heating and air conditioning plant of claim 11 wherein the evaporator and the heating heat exchanger are arranged such that

their respective longitudinal axes are commonly inclined by an angle α to vertical and horizontal, respectively.

13. (New) The motor vehicle and heating and air conditioning plant of claim 12 wherein the angle α ranges from 0° to 50°.

14. (New) The motor vehicle and heating and air conditioning plant of claim 11 wherein longitudinal axes of the evaporator and the heating heat exchanger are orthogonal to each other.

15. (New) The motor vehicle and heating and air conditioning plant of claim 11 wherein the evaporator is located generally forward of the heating heat exchanger in the vehicle.

16. (New) The motor vehicle and heating and air conditioning plant of claim 11 wherein the center console in a foot region in the *z-y* plane is configured concave on both driver and front-seat passenger sides.

17. (New) The motor vehicle and heating and air conditioning plant of claim 11 wherein the mixing chamber includes two symmetric directing channels with cross-sections reducing and subsequently enlarging in the direction of air flow.

18. (New) The motor vehicle and heating and air conditioning plant of claim 11 wherein the ducts for the left and right air flows change of the flow direction of he received thereby by about 90° and directs the airflows in a direction generally parallel toair flow through the evaporator.

19. (New) The motor vehicle and heating and air conditioning plant of claim 11 wherein the ducts each are comprised of two trapezoidal shaped portions connected one to the other such that the largest section area of each trapezoidal portion is located at the beginning and at the end of the ducts.

20. (New and Withdrawn) The motor vehicle and heating and air conditioning plant of claim 11 wherein said heating and air conditioning plant is configured to function as a one-zone air conditioning unit through connection of the left and right air flaps.